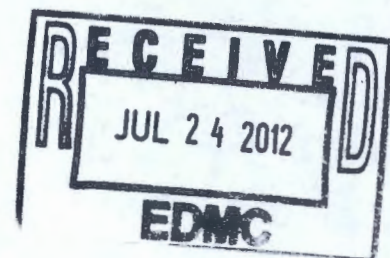


FINAL**Office of River Protection****Tri-Party Agreement****Monthly Summary Report****July 2012**

Office of River Protection
Tri-Party Agreement Milestone Review
July 2012

Page	Topic	Leads
1	Administrative Items / Milestone Status	James Lynch / Dan McDonald / Jeff Lyon
2	Single-Shell Tank Corrective Action; M-45, -50, -60	Chris Kemp / Jeff Lyon
4	Single-Shell Retrieval and Closure Program TPA Milestones Status; M-45-00 series, - Tank in Appendix H Status - Tank Retrievals with Individual Milestones	Chris Kemp / Jeff Lyon
8	C-Farm Critical Path	Kathy Higgins / Jeff Lyon
11	242-A Evaporator Status	Ron Koll / Jeff Lyon
12	SST Integrity Assurance; M-45-91	Jeremy Johnson/ Michelle Hendrickson
14	In Tank Characterization and Summary	Jeremy Johnson / Michael Barnes
15	Tank Operations Contract (TOC) Overview	Janet Diediker / Jeff Lyon
21	Acquisition of New Facilities; M-90-00; M-47-00	Janet Diediker / Jeff Lyon / Dan McDonald
22	Supplemental Treatment and Part B Permit Applications; M-62-00, -20, -30, -45	Steve Pfaff / Jeff Lyon / Dan McDonald
23	System Plan; M-62-40	Dabrisha Smith / Jeff Lyon / Dan McDonald
24	WTP Overall TPA Summary and Milestone Status; M-62-01	Delmar Noyes / Dan McDonald

Milestone	Title	Due Date	Completion Date	Status
Fiscal Year 2012				
M-062-40B	Submit System Plan	10/31/2011	10/21/2011	Completed
M-062-49	Sub. Report to ECY Demonstrating WTP Design Meets Vit. Criteria	10/31/2011	10/27/2011	Completed
M-045-91B	DOE Submit a Sampling and Analysis Plan to Ecology	12/30/2011	9/20/2011	Completed
M-045-92F	Meet Yearly on Performance of Barrier	12/31/2011	11/30/2011	Completed
M-045-91G-T02	Provide AOR Final Doc. for SSTs on 750,000 Gallon Tanks	1/31/2012	11/18/2011	Completed
M-062-01X	Submit Semi-Annual Project Compliance Report	1/31/2012	1/27/2012	Completed
M-045-91D	Submit Analytical Test Plan for Cores Removed from C-107 Plug	3/31/2012	6/27/2011	Completed
M-045-91G-T06	Provide Report of the Visual Inspection of 12 SSTs M-045-91G-T05	3/31/2012	03/12/2012	Completed
M-045-92M	Barrier 2 Design/Monitoring Submittal to Ecology	6/30/2012	5/19/2011	Completed
M-047-06	Comp. Neg's of No More Than 2 Interim Milestones	6/30/2012	Missed	Missed
M-062-01Y	Submit Semi-Annual Project Compliance Report	7/31/2012		On Schedule
M-045-56H	Meet Yearly to Discuss Interim Measures	7/31/2012	6/21/2012	Completed
Fiscal Year 2013				
M-045-20	Submit Interim Measures Investigation Work Plan and TPA Chg Pckgs for M-045-22 Target Dates	12/31/2012		On Schedule
M-090-11	Comp. Neg's No More Than 2 Canister Storage Fac. Const. Int. M/S	12/31/2012		To Be Missed
M-062-01Z	Submit Semi-Annual Project Compliance Report	1/31/2013		On Schedule
M-045-91F-T01	Provide Report of the Liquid Leak Rate Assessments	1/31/2013		On Schedule
M-045-21	Submit Sampling and Analysis Plan for 241-TX Tank Farm	3/31/2013		On Schedule
M-045-91D-T01	Provide Report on the Concrete Dome Samples from Tank C-107 Plug	5/31/2013		On Schedule
M-045-91F-T03	Provide Report on Testing for Ionic Conductivity of SSTs	5/31/2013	05/02/2012	Completed
M-045-91F-T02	Provide Report of Liner Failures for SSTs	7/31/2013		On Schedule
M-045-91F-T04	Provide Report on 100-Series SSTs as having Leaked in RPP-32681	7/31/2013		On Schedule
M-045-91E	Provide SST Farms Dome Deflection Surveys Every Two Years	9/30/2013		On Schedule
M-045-91G-T03	Provide AOR Final Doc. for SSTs on 1,000,000 Gallon Tanks	9/30/2013		On Schedule

WBS 5.2 Retrieve and Close Single Shell Tanks

M-045-20, Submit Interim Measure Investigation Work Plan to Ecology, Due: 12/31/12, Status: On Schedule. ORP will submit to Ecology for review and approval an interim measures investigation work plan for to vadose zone characterization at 241-TX Farm and 241-U Farm, and soil desiccation/contaminant removal proof-of-principal test at 241-SX Farm. The work plan will also be submitted with a TPA Change Package to establish milestone due date for M-045-22 and target dates for submittal of three secondary documents, see M-045-22-T01, -T02, and -T03. Added per TPA change package M-45-12-04.

M-045-21, Submit for Review and Approval a Sampling and Analysis Plan to Ecology for Soil Samples for 241-TX Tank Farm Investigation, Due: 03/31/2013, Status: On Schedule. Further description of this SAP will be provided in the Work Plan submitted under M-045-20. Added per TPA change package M-45-12-04.

M-045-22-T01, Submit Results of Vadose Zone Characterization of 241-TX to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. Added per TPA change package M-45-12-04.

M-045-22-T02, Submit Results of Vadose Zone Characterization of 241-U to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. Added per TPA change package M-45-12-04.

M-045-22-T03, Submit SX Soil Desiccation/Contaminate Removal Tech Results to Ecology, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. Added per TPA change package M-45-12-04.

M-045-22, Review M-045-22-T03 Report and Determine Path Forward, Due: TBD based on M-045-20 TPA Change Package Submittal, Status: On Schedule. This ORP/Ecology decision point will determine whether to continue with soil desiccation/contaminant removal testing and other interim measures, and if remaining work in Milestone M-045-92 should be modified. Added per TPA change package M-45-12-04.

M-045-56H, Complete Implementation of Agreed to Interim Measures (Meet Yearly to Discuss Interim Measures), Due: 07/31/2012, Status: Completed 06/21/2012. The annual M-045-56 meeting was held June 21, 2012. Draft meeting minutes have prepared and are undergoing review.

M-045-58, Submit to Ecology for Review and Approval as an Agreement primary document, a phase 2 CMS Master Work Plan, Due: 12/31/2008 Status: Complete. The outstanding issues involved integration of RCRA and CERCLA requirements, and the definition of a schedule for future RFI/CMS Work Plan development and implementation. With the development of the RCRA/CERCLA Integration White Paper (under M-045-80), it is now understood that the path to soil corrective measures implementation involves a modification to the RCRA Permit for SST Closure, and a ROD to address the CERCLA requirements. In addition, modifications to milestone M-045-84 and M-045-85 have now been made to explicitly define the requirements for schedule development for future RFI/CMS Work Plans, RFI/CMSs

and Corrective Measures Implementation Plans. Thus all outstanding issues for the M-045-58 deliverable have been addressed, and this milestone may be considered closed. Ecology is preparing a letter on this milestone. After this deliverable is closed via Ecology's letter, future updates will be tracked on the ORP Key Documents List.

M-045-59, Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAS (pending the CMS report, milestone M-45-58, and implementation of other interim corrective measures), Due: TBD, Status: On Schedule

M-045-60, Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 2 RFI/CMS Work Plan and Sampling and Analysis Plan (SAP) for WMA C, Due: 12/31/2008, Status: Complete. Continue field sampling with decommissioning of angle push under C203 underway. ORP and Ecology met for review of sampling results and draft work plan modifications and sampling optimization strategy on 09/22/2011. September meeting minutes, which document efforts, were signed 11/09/2011 by parties and were subsequently entered into the administrative record. A draft Work Plan/SAP Modification and TPA Change Notice was formally submitted to Ecology on 01/05/2012 with a requested response by 02/10/2012. Ecology provided response letter 12-NWP-071 on 05/08/2012, approving proposed changes in both the Work Plan/SAP documents. The updated documents have been released. Future updates will be tracked on the ORP Key Documents List.

M-045-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/2014, Status: On Schedule

M-045-62, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 Corrective Measures Study Report for WMA C, Due: 06/30/2015, Status: On Schedule

M-045-92, DOE and Ecology will establish selection criteria for installation of additional interim barriers at additional WMAs (beyond the T-106 and TY barriers), Due: 09/30/2017, Status: On Schedule. This milestone date has been modified according to M-45-12-04 and the decision to move forward with construction/design of additional barriers dependent on discussions per M-045-22.

M-045-92N, Construct Barriers 1 and 2 in 241-SX Farm Due: 10/31/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

M-045-92O, Submit a Final Design and Monitoring Plan for Interim Barrier 3 Due: 06/30/15, Status: On Schedule. The decision to move forward with construction/design of additional barriers is dependent on discussions per M-045-22.

Significant Past Accomplishments:

- Finalized approval of TPA Change Package M-45-12-04 on 06/21/2012; this revised the M-045-92 milestone to defer construction of proposed interim barriers in lieu of initiating vadose zone sampling and treatment testing (see Ecology approval letter 12-NWP-098).

- Automated data collection system for T-Farm interim barrier monitoring continues gathering data.
- Automated data collection system for TY Interim Barrier monitoring continues gathering data.
- Completed laboratory analysis of direct push soil samples previously obtained in C farm
- Finalized updates to WMA C RFI/CMS work plan and SAP based on Ecology's approval of the TPA change notice.
- Held the annual meeting for M-045-56.

Significant Planned Actions in the Next Six Months:

- Perform planning for Fiscal Year 2013 Interim Measures activities.
- Publish results of evaluation of barrier monitoring data, and recommend changes to future monitoring plan for TY barrier.
- Perform verification and validation of the laboratory analysis of direct push soil samples previously obtained in C farm.

Issues:

Initial planning for FY2013 shows that continued constraints may affect out-year milestones, including M-45-61, Submit to Ecology for review and approval as an Agreement primary document a Phase 2 RFI/CMS Report for WMA C, Due: 12/31/2014.

SST Retrieval and Closure Program

M-045-101, Submit to Ecology as a primary document a report on all catch tanks and associated pipelines in the SST System Part A, Due: 12/27/2010, Status: Complete. Document transmitted from ORP to Ecology via letter 10-TPD-176 on 12/28/2010. Comments were transmitted from Ecology to ORP on May 27, 2011, via letter 11-NWP-048. ORP requested one extension to the comment resolution period to December 5, 2011. Resolutions have been identified for all comments and the RCRs and redline provided to Ecology on 11/14/2011 with an extension date for Ecology response of March 15, 2012. Ecology and ORP met in May and June and identified a path to resolve remaining comments. The due date has been extended to July 31 to incorporate final changes.

M-045-80, Complete those portions of C-200 Closure Demonstration Plan, Due: 1/31/2011
Status: Complete. Four primary documents transmitted from ORP to Ecology via letter 10-TPD-166 on 12/28/10. Comments on three of the four documents were transmitted from Ecology to ORP on May 27, 2011, via letters 11-NWP-045, 11-NWP-047, and 11-NWP-051. ORP requested an extension, to December 5, 2011. Ecology requested additional time to review *Radioactive Waste Determination Process Plan for Waste Management Area C Tank Waste Residual* via 11-NWP-049. ORP transmitted responses on the C-301 Catch Tank Retrieval Feasibility Study (RPP-RPT-45723) to Ecology on November 8, 2011, via 11-TDP-085. ORP transmitted responses on the 241-C Tank Removal Study (RPP-RPT-47167) on November 9, 2011, via 11-TPD-084. ORP received Ecology comments on the *Radioactive Waste Determination Process Plan for Waste Management Area C Tank Waste Residuals* on December 7, 2011 and is evaluating comments. ORP transmitted responses for *The Waste Management Area C RCRA/CERCLA Integration White Paper* (RPP-PLAN-46459) on January 17, 2012 via

11-TF-151. ORP provided updated Draft WIR process paper with RCRs to Ecology on March 15th. Ecology and ORP agreed to meet to discuss comment resolution and extend the final resolution to the end of May. Ecology's comments were incorporated and Ecology has concurred with the changes. The final document was released to the TPA Admin Record on 07/18/2012.

M-045-81, Implement & complete all remaining activities in C-200 Closure Demonstration Plan, with any revisions agreed to by Ecology and DOE, and provide a report of the results of those activities, Due: 9/30/2014, Status: Complete. The original C-200 Closure Demonstration Plan was revised and released as *Waste Management Area C Closure Demonstration Project Plan* (RPP-PLAN-46484, Revision 3). Ecology and DOE agreed to the changes in this revision of the plan in December 2011 Project Managers Meeting. The remaining deliverable specified in the closure demonstration plan was formally transmitted from ORP to ECY via letter 10-TPD-166 on 12/28/2010. Comments were transmitted from Ecology to ORP on June 1, 2011, via letter 11-NWP-052. ORP requested an extension, to December 5, 2011. Ecology and ORP met on 11/1, 11/14, and 11/17/2011 to resolve comments. ORP requested an extension to March 15, 2012 to incorporate comment resolutions. ORP provided updated Draft Pipeline Feasibility Report and RCRs to Ecology on March 15th. Ecology and ORP met in May and June to resolve comments. All comments were resolved and the final document has been released as of 07/02/2012.

M-045-82, Submit complete permit mod requests for Tiers 1, 2, & 3 of the SST, Due: 9/30/2015 Status: On Schedule

M-045-84, Complete negotiations of TPA interim MS for closure of second WMA, Due: 1/31/2017, Status: On Schedule

M-045-83, Complete the closure of WMA C, Due: 6/30/2019, Status: On Schedule

M-045-85, Complete negotiations of TPA interim MS for closure of remaining WMAs, Due: 1/31/2022, Status: On Schedule

M-045-70, Complete waste retrieval from all remaining SSTs, Due: 12/31/2040, Status: On Schedule

M-045-00, Complete Closure of all Single Shell Tank Farms, Due: 1/31/2043, Status: On Schedule

M-045-86, Submit retrieval data report to Ecology for 19 tanks retrieved, Due: TBD (12 months after retrieval certification), Status: On Schedule

Significant Past Accomplishments:

- See discussions above and related discussions in Consent Decree report.

Significant Planned Activities in the Next Six Months:

- See discussions above and related discussions in Consent Decree report.
- Work to discuss and resolve issues and comments associated with deliverables for M-45-101.

Issues:

USDOE is deferring the final numeric modeling supporting the WMA C performance assessment to 2013 due to budget constraints in 2012. Impacts of this delay are being incorporated into the critical path schedules. Initial budget guidance for FY2013 will not support continuing the WMA C-PA in 2013. Impacts will be evaluated.

Tank in Appendix H. Status - Single Shell Waste Retrieval Criteria**Tank 241-C-106****Significant Past Accomplishments:**

None

Significant Planned Activities in the Next Six Months:

Continue U.S. Nuclear Regulatory Commission (NRC) review of the C-106 exception request. A Request for Additional Information (RAI) was received from the NRC in February 2009.

Issues:

It has been discussed with the NRC that much of the additional information requested is dependent upon development of C-Farm residual waste PA and, therefore, cannot be provided until the PA is published.

Tank Retrievals with Individual Milestones**Tank 241-A-103**

M-045-15, Completion of Tank A-103 SST Waste Retrieval, Due: 9/30/22 Status: On schedule. Change package M-45-11-04 replaced tank S-102 with tank A-103 and changed to milestone completion date for M-045-15 to 09/30/2022.

M-045-15A, Embedded Milestone, Submit a Retrieval Data Report Pursuant to Agreement Appendix I, Due: 9/30/22, Status: On schedule. Updated with tank A-103 and due date of 9/30/22 per M-45-11-04 Change Package.

M-045-15D, Embedded Milestone, if appropriate, DOE will request an exception to waste retrieval criteria pursuant to Agreement Appendix H, Due: 9/30/22, Status: On Schedule. Updated with A-103 tank and due date of 9/30/22 per M-45-11-04 Change Package.

Significant Past Accomplishments:

- Change Package M-45-11-04 was signed by ORP and Ecology on 04/19/11.

Significant Planned Activities in the Next Six Months:

None

Issues:

None

Tank 241-S-112

M-045-13, Interim Completion of Tank S-112 SST Waste Retrieval and Closure Demonstration Project, Due: TBD (in accordance with M-045-84 or M-045-85), Status: On Schedule

M-045-13E, Complete Negotiations for Interim Milestones for Closure of S-112, Due: TBD
Status: On Schedule as part of M-045-84 or M-045-85.

Significant Past Accomplishments:

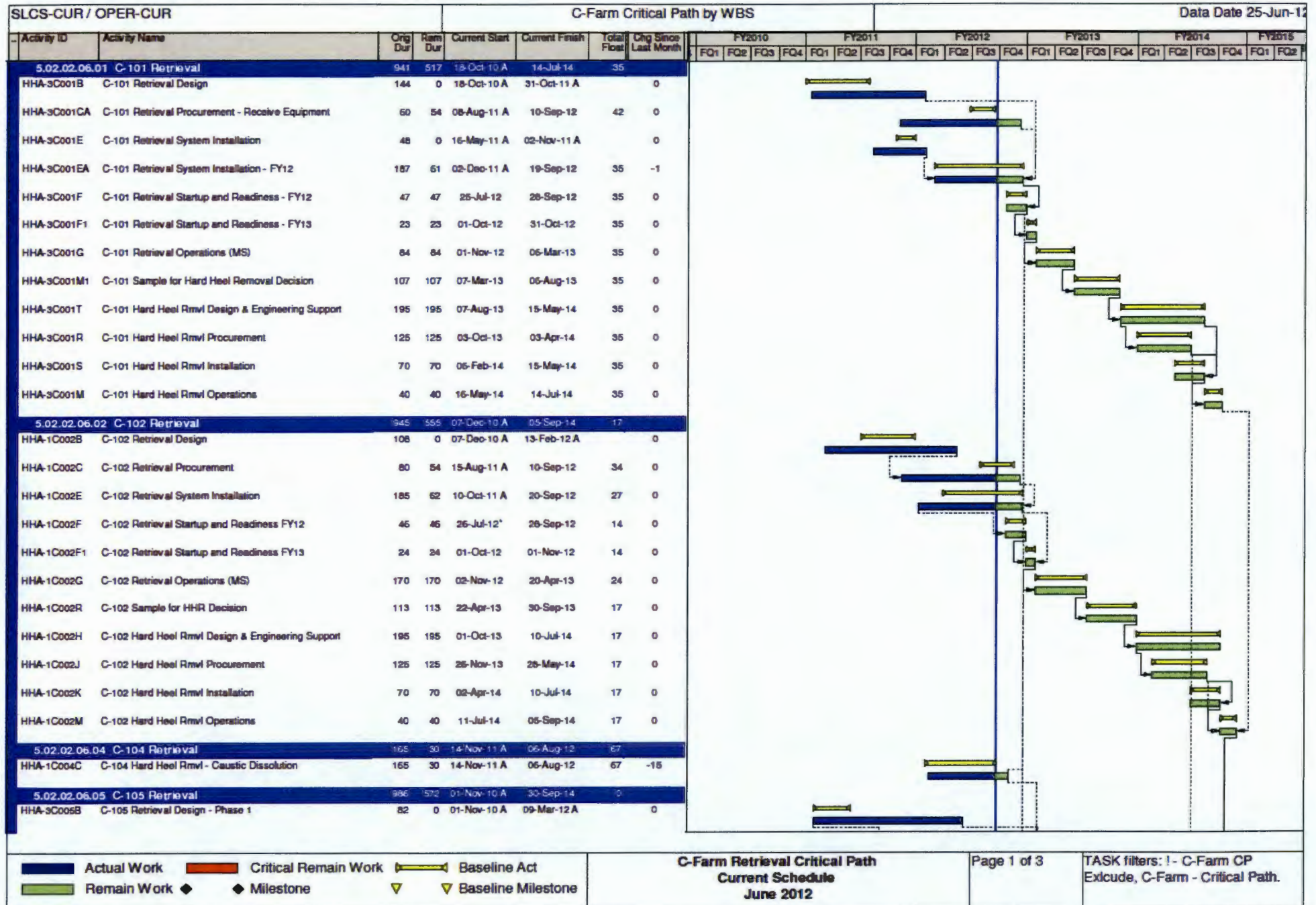
Ecology letter of January 7, 2008, concurred with ORP that retrieval of Tank S-112 is complete.

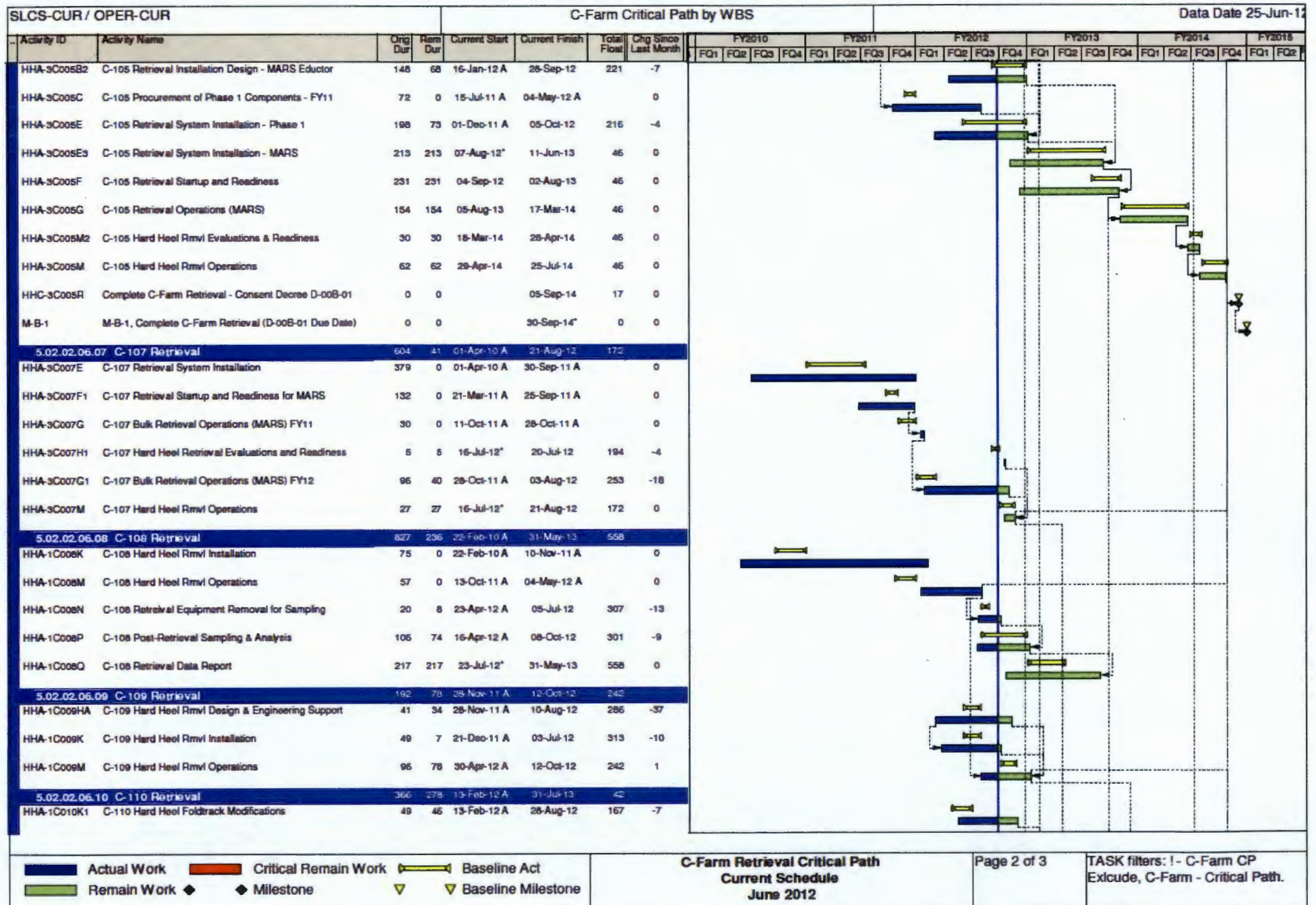
Significant Planned Activities in the Next Six Months:

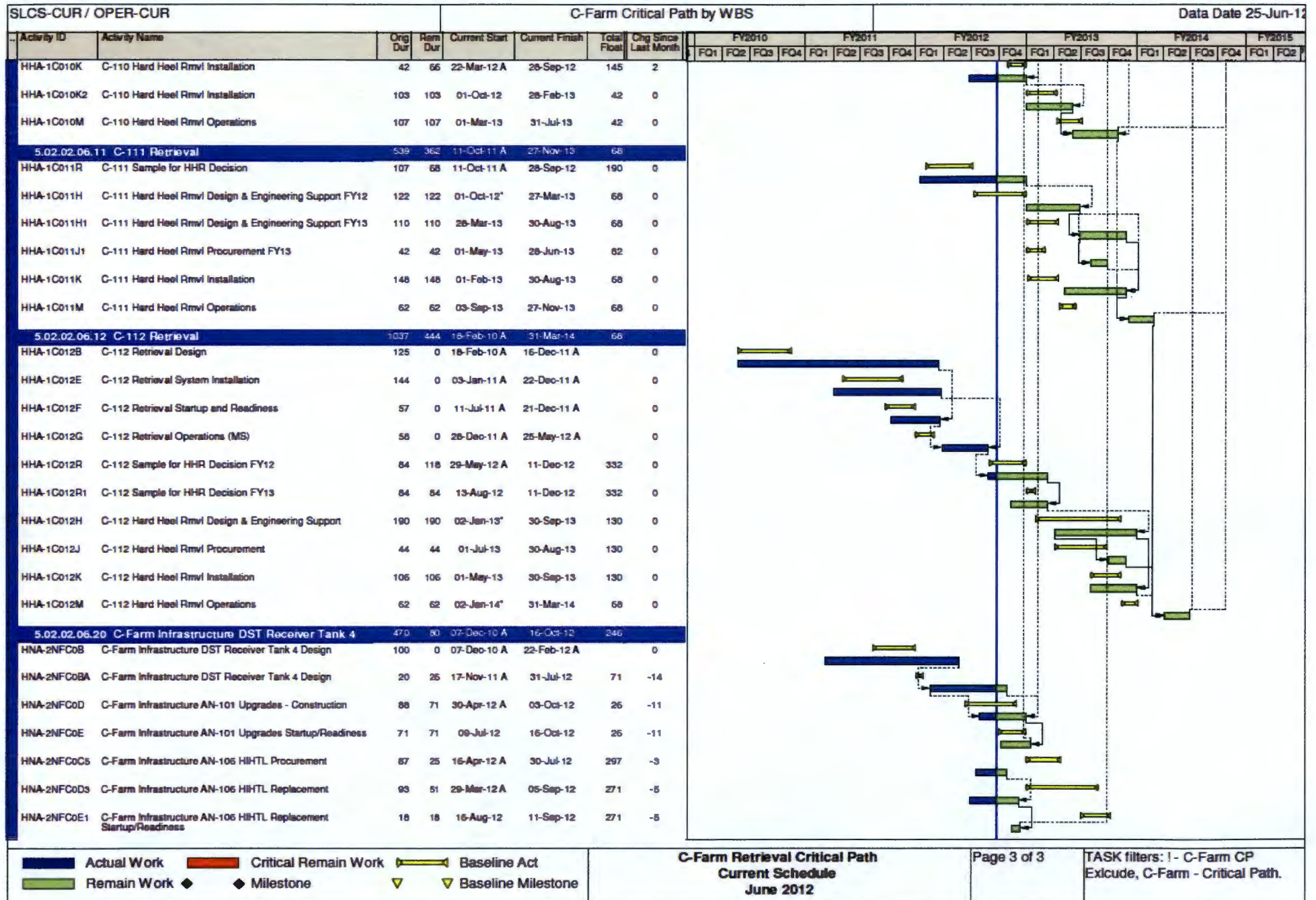
None

Issues:

None







242-A Evaporator Status (previously reported under Milestone M-48, which has been closed out)

242-A Campaign strategy:

No campaigns were conducted in FY2011 due to ongoing 242-A and Tank Farm Life Extension and ARRA funded facility upgrades. The 242-A Campaign Strategy for FY2010 through FY2015 depicted below has been updated based on ORP-11242, River Protection Project Plan, Revision 6, and ongoing schedule integration efforts.

Fiscal Year	Campaign No.	Feed Source	Slurry Tank	Comments
FY10	10-01	AW-106	AW-106	Campaigns 10-01/10-02 were performed back-to back starting in late August and completing in early October 2010. Campaign 10-02 was an acceleration of previously planned Campaign 11-01.
FY10	10-02	AW-106	AW-106	
FY11	NA	NA	NA	No campaign conducted in FY11 due to ongoing 242-A and Tank Farm facility life extension and ARRA funded upgrades.
FY12	NA	NA	NA	No campaign conducted in FY12 due to ongoing 242-A and Tank Farm facility upgrades and revision to the 242-A Documented Safety Analysis (DSA).
FY13	13-01	AP- 107	AP-107	Estimated start May 2013. May require two (2) passes to achieve waste volume reduction.
FY13	13-02-	AW-106	AW-106	Estimated start July 2013.
FY14	14-01	AN-106 AZ-102 AW-106	AP-107	Estimated start March 2014. Two (2) passes required.
FY15	15-01	AY-101 AZ-102	AP-107	Estimated start March 2015. Three (3) passes required.
FY15	15-02	AY-101	AP-107	Estimated start August 2015. Four (4) passes required.

SST Integrity Assurance

M-045-91G-T02, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 750,000 gallon tanks (BY, S, TX and TY Farms), Due: 1/31/2012, Status: Complete 11/18/11. (ORP letter 11-TPD-091)

M-045-91D, Submit to Ecology an analytical test plan for the cores removed from the C-107 plug, Due: 3/31/2012, Status: Complete 06/27/11. (ORP letter 11-TPD-043)

M-045-91G-T06, Provide to Ecology a report documenting and evaluating the visual inspection of 12 SSTs per the criteria in M-045-91G-T05, Due: 3/31/2012, Status: Complete 03/12/12. (ORP Letter 12-TF-0007)

M-045-91F-T01, Provide to Ecology as a HFFACO secondary document a report evaluating the applicability to Hanford SSTs of the liquid leak rate assessments of sludge and salt-cake from the Savannah River Site, Due: 1/31/2013, Status: On schedule. TPA change package M-45-12-01, moving M-45-91F-T01 and G-T03 out one year was signed by ORP and Ecology on 01/23/12.

M-045-91D-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis performed on the concrete dome samples obtained from the Tank C-107 plug, Due: 5/31/2013, Status: On schedule.

M-045-91F-T03, Provide to Ecology, as a HFFACO secondary document a report assessing the feasibility of testing for ionic conductivity between the inside and outside of SSTs, Due: 5/31/2013, Status: Complete 05/02/2012. (ORP letter 12-TF-0009)

M-045-91F-T04, provide to Ecology, as a HFFACO secondary document, a report on the 100-series single-shell tanks which have been or will be identified as having leaked in RPP-32681, Rev 0, Due: 7/31/2013, Status: On schedule.

M-045-91F-T02, Provide to Ecology as a HFFACO secondary document a report evaluating the common factors of liner failures for SSTs that have leaked and will provide recommendations as appropriate, such as enhanced Leak Detection, Monitoring, and Mitigation, Due: 7/31/2013, Status: On schedule.

M-045-91G-T03, Provide to Ecology the Structural Analyses of Record final documentation for SSTs for 1,000,000 gallon tanks (A, AX and SX Farms), Due: 9/30/2013, Status: On schedule. TPA change package M-45-12-01, moving M-45-91F-T01 and G-T03 out one year was signed by ORP and Ecology on 1/23/2012.

M-045-91E, Provide to Ecology a compilation of the Single-Shell Tank farms dome deflection surveys every two years, beginning 9/30/2013, Due: 9/30/2013, Status: On schedule.

M-045-91G-T04, provide to Ecology the Structural Analyses of Record final documentation for SSTs for 55,000 gallon tanks (B, C, T and U Farms), Due: 10/31/2013, Status: On schedule.

M-045-91F, Provide to Ecology a report (Summary Conclusions Report on Leak Integrity) summarizing and evaluating the information submitted under M-045-91F-T01 through - T04, Due: 12/31/2013, Status: On schedule.

M-045-91G, Provide a Summary Conclusions Report of Structural Analysis of Record (AOR) for SSTs, Due: 4/30/2014, Status: On schedule.

M-045-91B-T01, Provide Ecology a report containing the results and interpretation of testing, and analysis, performed on the concrete core obtained from Tank A- 106 or alternate tank, Due: 9/30/2014, Status: On schedule.

M-045-91H, Submit a change package (if deemed necessary by DOE and Ecology) to establish additional milestones based on information obtained from the actions in the preceding M-045-91 series milestones to date, Due: 7/31/2015, Status: On schedule.

M-045-91I, Provide to Ecology an IQRPE certification of SSTs structural integrity for the remainder of the mission, or for such time as the IQRPE believes he/she can reasonably certify, Due: 9/30/2018, Status: On schedule.

Significant Past Accomplishments:

- Completed target M-045-91F-T03, provide Ecology the Ionic Conductivity Feasibility Report. (ORP letter 12-TF-0009, dated 05/02/12)

Significant Planned Actions in the Next Six Months:

- Planning for FY2013.

Issues:

- FY2012 funding constraints will impact FY2012 M-045-91 scheduled work. TPA Change Packages will be developed as needed.

In Tank Characterization and Summary

For the period from June 1 – June 30, 2012:

Accomplishments:

- Completed RPP-PLAN-51231, Rev. 0, 2012 *Tank 241-AZ-102 Grab Sampling and Analysis Plan*.
- Completed Rev. 13 of RPP-8532, *Double-Shell Tanks Chemistry Control Data Quality Objectives*.
- Completed RPP-PLAN-52471, Rev. 0, *Sampling and Analysis Plan for Residual Waste solids in Tank 241-C-108*.
- Completed RPP-PLAN-52875, Rev. 0, Laboratory Screening of C-111 Archived Samples.
- Completed one liquid grab sampling event during the hard heel retrieval of tank 241-C-104. Liquid grab samples were collected on June 28, 2012, during caustic dissolution.
- RPP-RPT-52786, Rev. 0, *Final Report for Analysis of 204-AR-TK-1 Catch Tank Samples collected in April 2012* was released.
- RPP-RPT-52795, Rev. 0, *Results for Tank 241-C-112 Stack Chemical Emissions for The Middle of Retrieval* was released.
- Tank C-107 stack gas samples to evaluate emissions of potential Toxic Air Pollutants at the middle of retrieval were collected on June 25, 2012.

Planned Action within the next Six Months:

- Tank Sampling
 - Tank SY-102 grab samples for chemistry control – currently scheduled for July-August 2012
 - Additional tank C-109 grab samples to support heel retrieval – currently scheduled to re-start in July 2012
 - Tank AN-106 grab samples for chemistry control after completion of C-107 sluicing – currently scheduled for July 2012
 - Tank C-108 off- riser samples for tank component closure – currently scheduled for July 2012
 - Tank AZ-102 grab samples for chemistry control – currently scheduled for July 2012
 - Tank AN-101 grab samples for chemistry control after completion of C-112 sluicing, caustic addition, and C-104 hard heel dissolution – currently scheduled for August 2012.
 - Tank C-112 off-riser samples to evaluate waste characteristics for heel dissolution may occur during June –September 2012 depending on the progress of retrieval. This sampling event may be replaced by in-tank analysis with a Raman probe.
- BBI Updates
 - Five tanks have been identified for updates in FY12 Quarter 3. The BBI updates will be issued in July 2012.
- Data Quality Objectives (DQO)
 - Revision of the PCB Management DQO (RPP-7614) and the Compatibility DQO (HNF-SD-WM-DQO-001) in August 2012
 - Revision of the Strategic Planning DQO (RPP-44057) in August 2012

Issues:

None.

TANK OPERATIONS CONTRACT (TOC) OVERVIEW

Project Performance

The earned value performance reporting reflects the format, Work Breakdown Structure (WBS) reporting levels, and variance thresholds as agreed to with the Tank Farms Operations Contractor (TOC) for monthly performance reporting. The earned value analysis is not intended to be a measurement of performance against existing Tri-Party Agreement Milestones.

As of May 31, 2012 the TOC team worked 4,012,169 hours (416 days) without a Lost Time Workday Injury or DART case and achieved 364,163 hours (39 days) since the last Recordable case. There were no recordable cases in the month of May. An April 2012 and December 2011 cases were reclassified to recordable due to information received during the month of May.

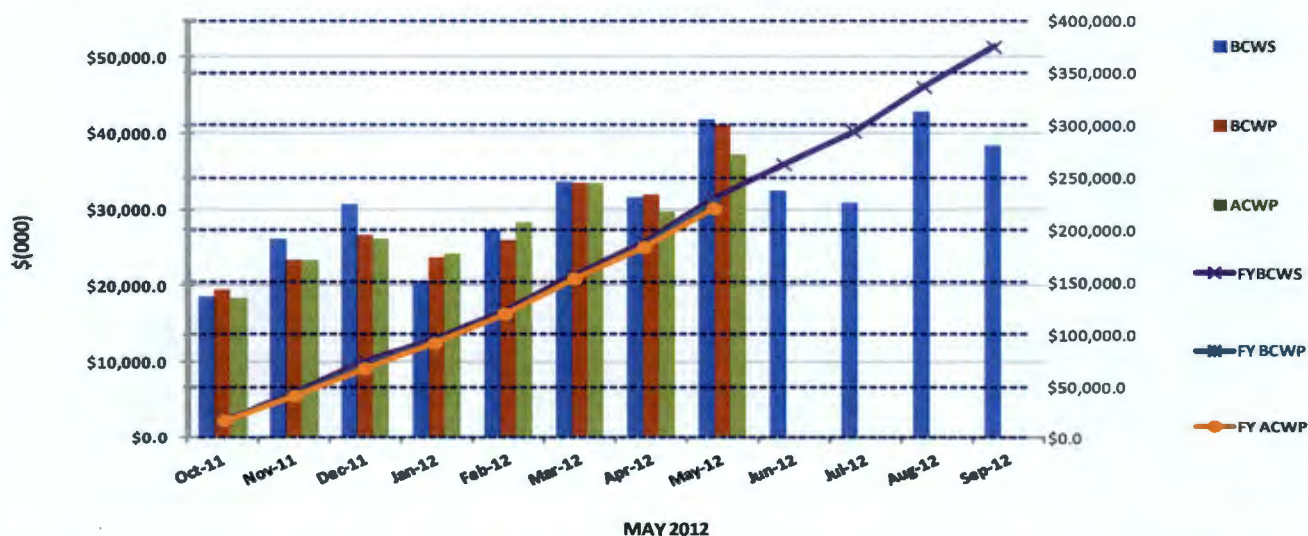
May EVMS Data

WRPS Project Performance - (\$k)										
	BCWS	BCWP	ACWP	SV	CV	SPI	CPI	BAC	EAC	VAC
CM	41,773.0	41,108.0	37,244.0	(665.0)	3,864.0	0.98	1.10			
FYTD	230,312.0	225,597.0	220,617.0	(4,715.0)	4,980.0	0.98	1.02	375,888.0	369,095.0	6,793.0
CTD	1,455,479.0	1,444,647.0	1,383,747.0	(10,832.0)	60,900.0	0.99	1.04	2,158,538.0	2,094,083.3	64,454.7

Red shaded cells indicates a SPI/CPI less than .90;
 Green shaded cells indicate a SPI/CPI between .90 and .99; and
 Blue shaded indicates a SPI/CPI greater than or equal to 1.

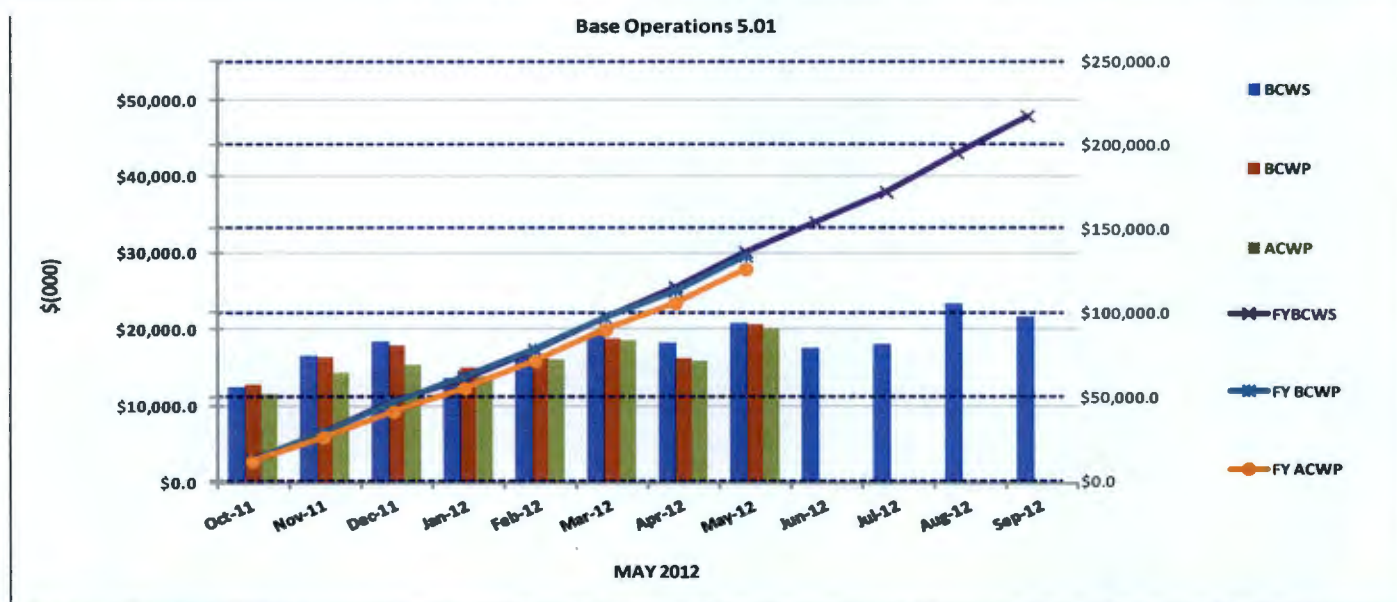
Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS

EVMS Monthly and Fiscal Year Values - ORP-0014



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-11	\$18,559.4	\$19,444.2	\$18,408.0	1.05	1.06	\$18,559.4	\$19,444.2	\$18,408.0	1.05	1.06
Nov-11	\$26,121.7	\$23,436.0	\$23,336.0	0.90	1.00	\$44,681.1	\$42,880.2	\$41,744.0	0.96	1.03
Dec-11	\$30,678.0	\$26,611.0	\$26,115.0	0.87	1.02	\$75,359.1	\$69,491.2	\$67,859.0	0.92	1.02
Jan-12	\$20,716.5	\$23,741.2	\$24,148.4	1.15	0.98	\$96,075.6	\$93,232.4	\$92,007.4	0.97	1.01
Feb-12	\$27,334.7	\$26,007.7	\$28,261.8	0.95	0.92	\$123,410.3	\$119,240.1	\$120,269.2	0.97	0.99
Mar-12	\$33,615.5	\$33,405.7	\$33,466.4	0.99	1.00	\$157,025.8	\$152,645.8	\$153,735.6	0.97	0.99
Apr-12	\$31,512.7	\$31,843.8	\$29,637.5	1.01	1.07	\$188,538.5	\$184,489.6	\$183,373.1	0.98	1.01
May-12	\$41,772.6	\$41,107.6	\$37,244.1	0.98	1.10	\$230,311.1	\$225,597.2	\$220,617.2	0.98	1.02
Jun-12	\$32,349.0	\$0.0	\$0.0	0.00	0.00	\$262,660.1			0.00	0.00
Jul-12	\$30,966.0	\$0.0	\$0.0	0.00	0.00	\$293,626.1			0.00	0.00
Aug-12	\$42,822.3	\$0.0	\$0.0	0.00	0.00	\$336,448.4			0.00	0.00
Sep-12	\$38,393.4	\$0.0	\$0.0	0.00	0.00	\$374,841.8			0.00	0.00
CTD	\$1,455,479.0	\$1,444,647.3	\$1,383,747.0	0.99	1.04					

Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-11	\$12,392.2	\$12,786.7	\$11,613.8	1.03	1.10	\$12,392.2	\$12,786.7	\$11,613.8	1.03	1.10
Nov-11	\$16,611.9	\$16,361.1	\$14,369.5	0.98	1.14	\$29,004.1	\$29,147.8	\$25,983.3	1.00	1.12
Dec-11	\$18,475.0	\$17,939.2	\$15,354.0	0.97	1.17	\$47,479.1	\$47,087.0	\$41,337.3	0.99	1.14
Jan-12	\$13,582.4	\$14,954.3	\$13,803.4	1.10	1.08	\$61,061.5	\$62,041.3	\$55,140.7	1.02	1.13
Feb-12	\$16,737.0	\$16,169.5	\$16,105.1	0.97	1.00	\$77,798.5	\$78,210.8	\$71,245.8	1.01	1.10
Mar-12	\$19,272.8	\$18,703.5	\$18,623.5	0.97	1.00	\$97,071.3	\$96,914.3	\$89,869.3	1.00	1.08
Apr-12	\$18,206.1	\$16,155.1	\$15,909.1	0.89	2.00	\$115,277.4	\$113,069.4	\$105,778.4	0.98	1.07
May-12	\$20,828.7	\$20,643.6	\$20,118.7	0.99	3.00	\$136,106.1	\$133,713.0	\$125,897.1	0.98	1.06
Jun-12	\$17,625.9	\$0.0	\$0.0	0.00	0.00	\$153,732.0			0.00	0.00
Jul-12	\$18,100.3	\$0.0	\$0.0	0.00	0.00	\$171,832.3			0.00	0.00
Aug-12	\$23,312.8	\$0.0	\$0.0	0.00	0.00	\$195,145.1			0.00	0.00
Sep-12	\$21,739.2	\$0.0	\$0.0	0.00	0.00	\$216,884.3			0.00	0.00
CTD	\$959,290.1	\$955,232.2	\$924,093.4	1.00	1.03					

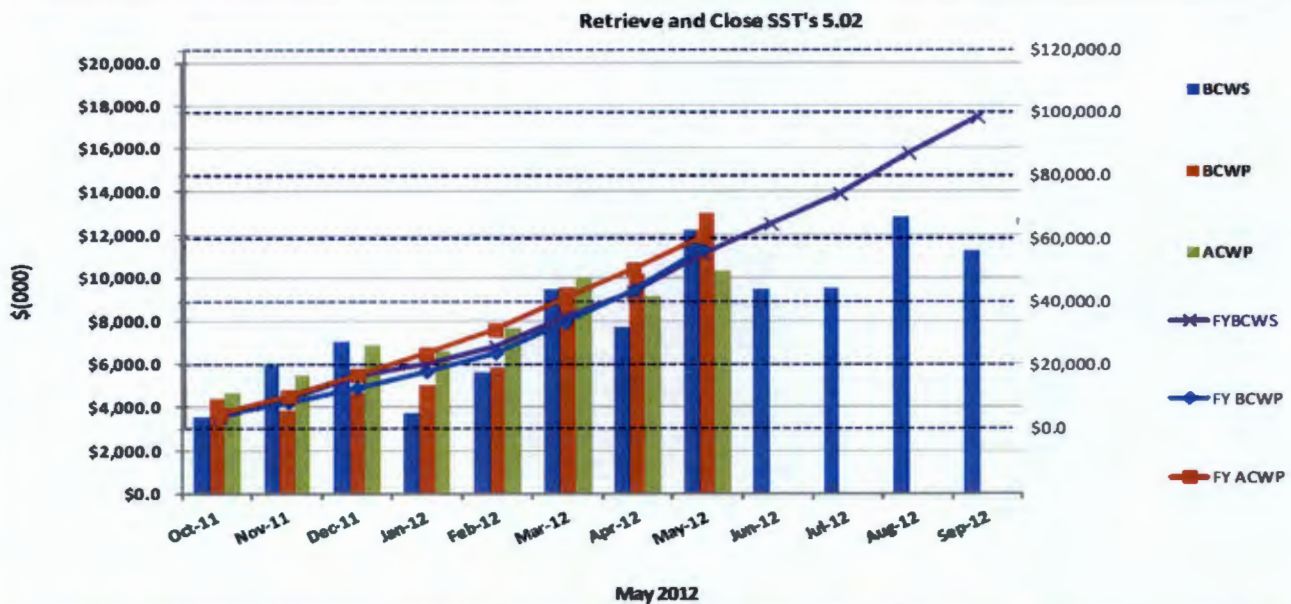
Base Operations**Schedule Variance (-\$185.1K):**

Schedule variance is negligible

Cost Variance (\$524.9K):

The favorable cost variance is primarily due to a credit received from a joint site license purchase with Bechtel National Inc. associated with the Smart Plant Foundation.

Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-11	\$3,580.0	\$4,402.2	\$4,709.1	1.23	0.93	\$3,580.0	\$4,402.2	\$4,709.1	1.23	0.93
Nov-11	\$5,940.2	\$3,864.7	\$5,462.1	0.65	0.71	\$9,520.2	\$8,266.9	\$10,171.2	0.87	0.81
Dec-11	\$7,038.0	\$4,650.9	\$6,844.4	0.66	0.68	\$16,558.2	\$12,917.8	\$17,015.6	0.78	0.76
Jan-12	\$3,732.7	\$5,070.3	\$6,601.7	1.36	0.77	\$20,290.9	\$17,988.1	\$23,617.3	0.89	0.76
Feb-12	\$5,629.0	\$5,885.6	\$7,633.1	1.05	0.77	\$25,919.9	\$23,873.7	\$31,250.4	0.92	0.76
Mar-12	\$9,484.6	\$9,596.9	\$9,999.9	1.01	0.96	\$35,404.5	\$33,470.6	\$41,250.3	0.95	0.81
Apr-12	\$7,717.2	\$10,237.2	\$9,151.0	1.33	1.12	\$43,121.7	\$43,707.8	\$50,401.3	1.01	0.87
May-12	\$12,189.8	\$13,026.7	\$10,318.8	1.07	1.26	\$55,311.5	\$56,734.5	\$60,720.1	1.03	0.93
Jun-12	\$9,473.9	\$0.0	\$0.0	0.00	0.00	\$64,785.4			0.00	0.00
Jul-12	\$9,555.6	\$0.0	\$0.0	0.00	0.00	\$74,341.0			0.00	0.00
Aug-12	\$12,814.2	\$0.0	\$0.0	0.00	0.00	\$87,155.2			0.00	0.00
Sep-12	\$11,249.6	\$0.0	\$0.0	0.00	0.00	\$98,404.8			0.00	0.00
CTD	\$294,658.4	\$292,036.7	\$292,545.9	0.99	1.00					

Single-Shell Tanks**Schedule Variance \$836.9K:**

The favorable schedule variance is primarily due to:

- C-104 retrieval due to earned value taken for accelerated progress on hard heel removal work performed to date. BCR RPP-12-118, "C-104 Hard Heel Acceleration," was approved by DOE-ORP and implemented in May, which aligned the baseline to reflect completion of C-104 hard heel retrieval by September 30, 2013. The BCR accelerated work from FY 2014 to FY 2013. This accelerated work had already been started but could not be claimed because it was planned outside the current TOC option period. Progress earned in May 2012 included hard heel removal installation, hard heel procurement and hard heel removal design and engineering support.
- C-105 retrieval because the large riser assembly was delivered 3 months ahead of the planned August 2012 date. In addition, schedule recovery was achieved with receipt of the ventilation demister assemblies that were originally planned in FY 2011 but were deferred due to reprioritization of funding.

The favorable variances are partially offset by:

- C-101 retrieval delay in receipt of long-lead procurements, specifically the ERSS. ORP had planned to receive the ERSS in May and June but receipt has been delayed until July and August as the ERSS hose failed qualification testing because the fittings were too tight for the high temperature and tension burst test. As a result, new hoses were ordered so that fittings could be matched to meet both the temperature and pressure tests. Testing was successfully completed.
- C-102 retrieval has been delayed because of delays in the fabrication of the slurry pump. In addition, system installation is behind schedule due to other priorities and resource allocations. Equipment removal activities are scheduled to complete in early July.

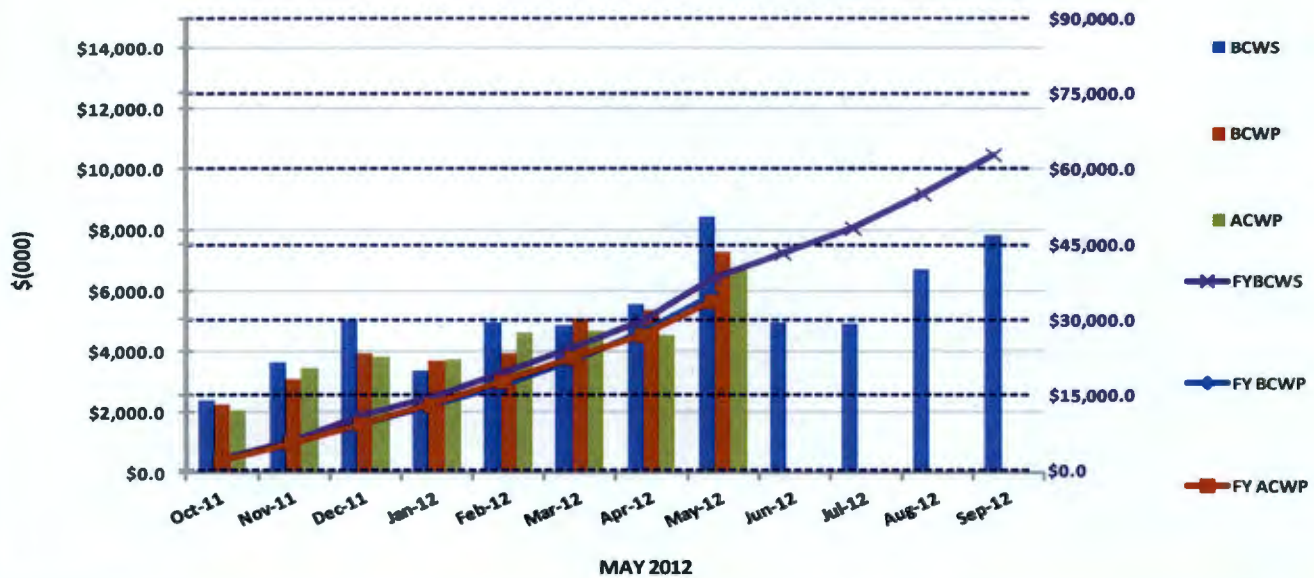
Cost Variance \$2,707.9K:

The favorable cost variance is primarily due to:

- C-104 retrieval due to earned value taken for accelerated progress on hard heel removal work performed to date. BCR RPP-12-118, "C-104 Hard Heel Acceleration," was approved by DOE-ORP and implemented in May, which aligned the baseline to reflect completion of C-104 hard heel retrieval by September 30, 2013. The BCR accelerated work from FY 2014 to FY 2013. This accelerated work had already been started but could not be claimed because it was planned outside the current TOC option period. Progress earned in May 2012 included Hard Heel Removal Installation, Hard Heel Procurement and Hard Heel Removal Design and Engineering Support.
- C-105 retrieval due to procurement and system installation cost efficiencies associated with the demister assemblies and the new riser assembly. Additional soil analysis was performed which resulted in an increase in the allowable volume of soil that may be removed at one time. This resulted in one excavation for equipment removal instead of excavating and backfilling each piece of removed equipment as originally planned.

Office of River Protection (ORP-0014) Fiscal Year 2012 - Monthly EVMS

WFD / Treatment Planning / DST Retrieval / Closure 5.03



Earned Value Month	BCWS	BCWP	ACWP	SPI	CPI	FYBCWS	FY BCWP	FY ACWP	FY SPI	FY CPI
Oct-11	\$2,399.7	\$2,255.3	\$2,062.4	0.94	1.09	\$2,399.7	\$2,255.3	\$2,062.4	0.94	1.09
Nov-11	\$3,657.3	\$3,110.4	\$3,461.2	0.85	0.90	\$6,057.0	\$5,365.7	\$5,523.6	0.89	0.97
Dec-11	\$5,080.5	\$3,936.3	\$3,833.1	0.77	1.03	\$11,137.5	\$9,302.0	\$9,356.7	0.84	0.99
Jan-12	\$3,401.5	\$3,716.7	\$3,770.3	1.09	0.99	\$14,539.0	\$13,018.7	\$13,127.0	0.90	0.99
Feb-12	\$4,968.7	\$3,952.6	\$4,632.5	0.80	0.85	\$19,507.7	\$16,971.3	\$17,759.5	0.87	0.96
Mar-12	\$4,858.0	\$5,105.4	\$4,692.0	1.05	1.09	\$24,365.7	\$22,076.7	\$22,451.5	0.91	0.98
Apr-12	\$5,556.4	\$5,404.5	\$4,531.6	0.97	1.19	\$29,922.1	\$27,481.2	\$26,983.1	0.92	1.02
May-12	\$8,445.0	\$7,287.9	\$6,700.7	0.86	1.09	\$38,367.1	\$34,769.1	\$33,683.8	0.91	1.03
Jun-12	\$4,975.2	\$0.0	\$0.0	0.00	0.00	\$43,342.3			0.00	0.00
Jul-12	\$4,904.8	\$0.0	\$0.0	0.00	0.00	\$48,247.1			0.00	0.00
Aug-12	\$6,730.4	\$0.0	\$0.0	0.00	0.00	\$54,977.5			0.00	0.00
Sep-12	\$7,833.6	\$0.0	\$0.0	0.00	0.00	\$62,811.1			0.00	0.00
CTD	\$187,647.3	\$183,640.8	\$155,443.4	0.98	1.18					

Waste Feed Delivery/Treatment/DST Retrieval Closure**Schedule Variance (-\$1,157.1K):**

The unfavorable schedule variance is primarily due to:

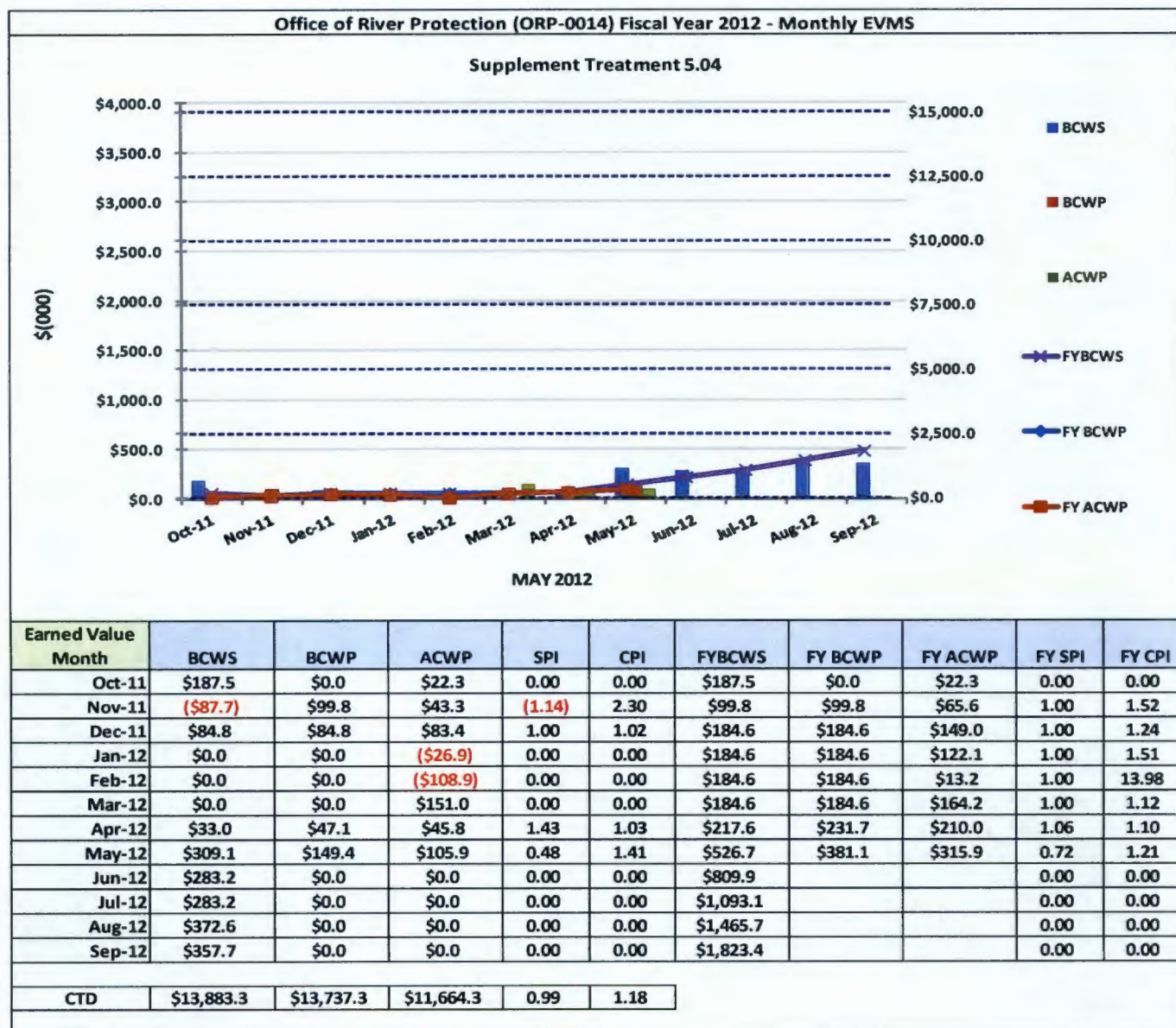
- AY-102 Mixing Demonstration design which was impacted by DOE-ORP direction to implement new safety-significant temperature and flammable gas monitoring instrumentation (previously general service). Advanced Work Authorization Baseline Change Request (BCR) RPP-12-142, "AWA - AY-102 Safety Significant Controls," was implemented in May 2012 for the change.
- Waste Feed Delivery System Performance delays in preparing to initiate testing on both the small-scale mixing demonstration platform and the remote sampler demonstration platform. These delays are due to the procurement of the test simulant and equipment issues found during system startup and shakedown testing. Testing is expected to commence in early June 2012.

Cost Variance \$587.2K:

The favorable schedule variance is primarily due to:

- A cost correction for the remote sampler demonstration and the small-scale mixing demonstration. The performance testing is split-funded between (1) WFD Tank Mixing and Sampling which is base

funded, and (2) WFD System Performance which is TDD funded. Costs were overstated in WFD System Performance requiring the cost transfer.



Supplemental Treatment

Schedule Variance (-\$159.8)

The unfavorable variance is primarily due to delays in awarding scope to Savannah River National Laboratory and Oak Ridge National Laboratory using the Inter-Entity Work Order (IEWO) process. Work scope was developed and transmitted in April; however, extensive Quality Assurance reviews required additional time to respond to comments and resolve. The IEWOs have been approved and transmitted to both laboratories for acceptance.

Cost Variance - \$43.5

Variance is negligible.

Acquisition of New Facilities

M-090-11, Complete the Negotiation of No More Than Two Canister Storage Facility Construction Interim Milestones, Due: 12/31/12, Status: To Be Missed. Formal notification to miss this milestone was provided to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Please see issues below.

M-090-00, Acquire/modify facilities for storage of IHLW, Due: 12/31/2019, Status: On Schedule

M-047-06, Complete negotiation of no more than two interim milestones governing work necessary to support completion of M-047-00, Due: 06/30/12, Status: Missed. Formal notification to miss this milestone was provided to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Please see issues below.

M-047-00, Complete Work Necessary to provide facilities for management of secondary waste from the WTP, Due: 12/31/2022, Status: On Schedule

Significant Past Accomplishments:

The Interim Hanford Storage Conceptual Design activities (e.g. Conceptual Design Report [CDR], Preliminary Process Hazards Analysis, Design Basis Accident Analysis, Conceptual Safety Design Report, etc.) have been completed and transmitted to ORP. The Secondary Liquid Waste Treatment Project issued the Risk and Opportunity Management Plan and the Acquisition Plan. The project is on schedule to complete the Conceptual Design Report and deliver the CD-1 package to ORP before 8/30/12.

Significant Planned Actions in the Next Six Months:

- Complete the CDR for the Secondary Liquid Waste Treatment Project.
- Complete the update to the Project Execution Plan for Secondary Liquid Waste Treatment Project.
- Complete the Preliminary Fire Hazard Analysis for Secondary Liquid Waste Treatment Project
- Submit the Secondary Liquid Waste Treatment Project CD-1 Package to ORP.

Issues:

ORP submitted signed TPA Change Packages M-47-12-01 and M-90-12-01 to Ecology on 06/13/12 to defer negotiation of these milestones to a To Be Determined (TBD) date to be established 12 months following completion of the River Protection Plan (RPP) Waste Treatment Plant (WTP) re-baseline/re-planning efforts. Ecology provided letters 12-NWP-101 and 12-NWP-100 disapproving M-47-12-01 and M-90-12-01 TPA Change Packages to ORP on 06/25/12. Formal notification to miss milestones M-047-06 and M-090-11 provide to Ecology via ORP Letter 12-ECD-0024 on 06/27/12. Ecology issued a Notice of Violation (NOV) for M-047-06 on 07/12/12 per letter 12-NWP-118. ORP received Ecology letter 12-NWP-122, Docket Number 9402, stipulating a penalty for missing M-047-06 on 07/19/12.

Supplemental Treatment and Part B Permit Applications

M-062-40ZZ, Submit a one-time Tank Waste Supplemental Treatment Technologies report if a supplemental treatment technology is proposed other than a 2nd LAW, Due:

10/31/2014, Status: On Schedule.

M-062-45ZZ, Negotiate a one-time supplemental treatment selection, Due: 4/30/2015,

Status: On schedule. Negotiations are not yet underway.

M-062-45ZZ-A, Convert M-062-31-T01 through M-062-34-T01 to Interim Milestones, Due:

4/30/2015, Status: On Schedule.

M-062-31-T01, Complete final design and submit RCRA Part B permit mod request, Due:

4/30/2016, Status: On schedule

M-062-32-T01, Start construction of supplemental vitrification treatment facility and/or

WTP enhancements, Due: 4/30/2018, Status: On schedule

M-062-33-T01, Complete construction of supplemental vitrification treatment facility

and/or WTP enhancements, Due: 4/30/2021, Status: On schedule

M-062-45XX, No later than 12/31/2021, the DOE and Ecology shall complete negotiations to establish a mechanism that will apply to resolve future disputes regarding the

determinations in M-062-45, paragraphs 4 and 5, due: 12/31/2021, Status: On Schedule

M-062-34-T01, Complete hot commissioning of supplemental vitrification treatment facility

and/or WTP enhancements, Due: 12/30/2022, Status: On schedule

M-062-21, Annually, submit data that demonstrates operation of the WTP, Due: 2/28/2023,

Status: On Schedule

M-062-00, Complete Pretreatment Processing and Vitrification of HLW and LAW Tank

Wastes, Due: 12/31/2047, Status: On Schedule

Significant Past Accomplishments:

None

Significant Planned Actions in the Next Six Months:

None

Issues:

None

System Plan

M-062-40B, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2011, Status: Completed 10/24/2011 via DOE-ORP/ECY joint signature letter 11-TPD-087.

M-062-40C, Select a minimum of three scenarios that will be analyzed in the system plan, Due: 10/31/2013, Status: On Schedule

M-062-40D, Submit a system plan describing the disposition of all tank waste managed by ORP, Due: 10/31/2014, Status: On Schedule

M-062-45-T01, Every six years, within six-months after last revision of the System Plan, negotiate tank waste retrieval sequencing, Due: 4/30/2015, Status: On Schedule

Significant Past Accomplishments:

DOE/ORP submitted the River Protection Project System Plan, Revision 6, with a joint Ecology signature to EPA on October 24, 2011.

Significant Planned Actions in the Next Six Months:

None

Issues:

None

WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP) PROJECT

Number	Title	Due Date	Status
M-062-01X	Submit Semi-Annual TPA Project Compliance Report	01/31/2012	Completed - Report Sent 01/27/2012
M-062-01Y	Submit Semi-Annual TPA Project Compliance Report	07/31/2012	On Schedule

***SEE THE JULY 2012 ORP CONSENT DECREE 08-5085-FVS MONTHLY SUMMARY REPORT FOR WTP FACILITY-SPECIFIC INFORMATION**